



ZEUS MINING TAAS TESTER

Web User Guide · the browser interface for full board diagnostics

Firmware v1.0.23

WEB GUIDE · EN

01 Access & first setup OPEN THE INTERFACE

1 · Same WiFi

Connect your phone or PC to the **same WiFi network** as the tester.



2 · Open the IP

Type the tester's **IP address** (shown on the HOME screen or under button 3) into any modern browser.



3 · SELECT DEVICE

Choose **Manufacturer** → **Model**, check the spec box (chips / sensors) and press **Confirm**.



4 · Ready

The chip map of that model appears; the tester's TFT screen switches to the same model.

First-time WiFi: a tester without saved WiFi broadcasts the access point **TAAS ASIC Tester** (password **password**). Join it, open **192.168.4.1**, select your network and enter its password. The setup page waits for the tester to reconnect and then opens the main interface at its new IP automatically. To repeat the setup later, hold **button 4** on the tester for 5 seconds.

02 Screen layout WHAT YOU SEE

TOP BAR Status

- SERVER** LED — green = the tester is connected to the back-office (model list, activation, updates); grey = offline.
- MODEL** — the model currently selected. **POWER** and **RST** badges show the board power and reset-line state.
- A **PIC** badge appears on boards that carry a PIC power controller (yellow = detected, green = powering the board).

RESULT PANEL Test outcome

- RESULT:** **WAITING** nothing found yet · **PASS** all designed chips detected · **FAIL** some missing.
- DETECTED n/total** — chips found vs. designed count; a hint line shows what the tester is doing.
- A **summary banner** under the panel reports each test: green = OK, amber = warning, red = error (text explains the cause).

CHIP MAP Board layout

- Chips are drawn **in their real positions** on the board (from the board design) and are **numbered 1..n**.
- Cells change colour with each test: detection (found / missing) and health (green / orange / red).
- Temperature-sensor positions are marked **T**; after **Read Temp** the measured value appears in the sensor cell (and as a badge on the chip next to it).

CONTROL BAR Buttons

- All tests are started from the bottom control bar (section 03). A running test turns its button into a red **Stop**.
- Some buttons are shown or hidden **per tester** by your administrator (feature settings).

03 Controls in detail BOTTOM CONTROL BAR

Button	What it does	What you see / notes
Pwr ON / OFF	Enables the test buttons (interface power gate). Must be ON before any test.	Without it every test shows "VCC Power Required". Turning it OFF also ends the session state.
RST	Toggles the chip reset line (RTS) manually.	Normally not needed — every test resets the chain automatically.
Start Test	Chip detection scan: full chain initialisation, then every chip is read.	DETECTED counts up; RESULT turns PASS when all chips are found. Missing chips stay red on the map. Button becomes Stop Test .
Health Check	Per-chip communication & readiness test (~4 s). No external core power needed.	Map cells: green OK · orange responds but not ready · red no response. Summary banner shows pass / total.
I2C Scan	Scans the board's I2C bus for temperature sensors (NCT218 / TMP75 behind the mux) and EEPROM (0x50–0x57).	Banner lists the addresses found; use it before EEPROM or when Read Temp shows nothing.

Read Temp	Reads every temperature zone / sensor of the selected model.	Values appear on the map: <70°C green · 70–84 orange · ≥85 red; -- = sensor not readable.
EEPROM	Reads the board EEPROM (24Cxx) as a hex table; backup to .bin , import and write.	For technicians. Always download a backup before writing. Address, size and mux channel are selectable.
Menu	Returns to the SELECT DEVICE dialog.	Stops any running test and switches power off first.
Ticket Repair · Knowledge Base · Online Training · Ark Expert	Support & resource shortcuts, enabled per tester by the administrator.	Show “coming soon” in this firmware version.

04 Standard test workflow RECOMMENDED ORDER

1 Connect the board's data cable, then select the exact model (Menu → Manufacturer → Model → Confirm). Chip count and chip type must match the board. 2 Press Pwr ON. 3 Start Test — wait until DETECTED reaches the designed count (PASS). Red cells = chips not answering → check the ribbon cable and those positions. 4 Health Check — note orange / red chip numbers for repair.	5 Read Temp (and I2C Scan if sensors are not found) to verify the thermal sensors. 6 Press the red Stop button — this stops the test and cuts board power. Only then unplug the board. Every test can be repeated at any time; results of the previous test are replaced on the map.
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05 Firmware update & alerts BANNERS AT THE TOP OF THE PAGE

Banner / message	Meaning	What to do
DEVICE NOT ACTIVATED	The unit is locked in the back-office.	Read the Tester ID (button 3 on the tester) and send it to your administrator; reload the page after activation.
New firmware available	The server offers a newer firmware than the one installed.	Press Update now . A progress overlay shows the firmware and web-file stages; the tester restarts by itself. Do not power off or close the page until the tick appears, then reload (Ctrl+F5).
SERVER: OFFLINE	No connection to the back-office (no internet).	Testing still works; the model list and updates will not refresh until the tester is online.
VCC Power Required	A test was pressed before Pwr ON .	Press Pwr ON and try again.
Select a board first	No model selected yet.	Press Menu , choose the model, Confirm.
WebSocket not ready	The live connection to the tester dropped.	Reload the page; check that you are still on the same WiFi as the tester.

06 Troubleshooting SYMPTOM → CAUSE → FIX

Symptom	Likely cause	Fix
Page does not load	Different network, wrong IP, tester in setup mode.	Read the current IP on the HOME screen; join the same WiFi; complete WiFi setup if the tester's WiFi icon is cyan.
Old layout / missing buttons after an update	Browser cache.	Hard-refresh with Ctrl+F5 (or clear site data on mobile).
DETECTED stops below the designed count	Cable, board power or dead chips.	Re-seat the ribbon cable, run Health Check, inspect the red positions.
Read Temp shows --	Sensor not found or wrong model (sensor type differs).	Run I2C Scan; make sure the selected model matches the board.
Screen and web show different models	Model changed on one side.	Select again on either side — both always follow the latest selection.

- **DETECTED** — number of chips that answered the detection scan.
- **Health Check** — quick per-chip test of communication and readiness (no hashing).
- **RTS / RST** — the chain reset line the tester toggles before each test.

- **PIC** — a small controller on some boards that switches board power; the tester keeps it alive during tests.
- **Tester ID** — the unique ID of this tester (e.g. `TID-001`), needed for activation and support.
- **Activation** — the back-office unlock that enables testing on this tester.



Support & questions — scan the QR code to chat with us on Telegram **ZEUS MINING Jay**, or visit our website. Have your **Tester ID** and model name ready.

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